

SYSTEM AND METHOD FOR AUTOMATIC DETERMINATION OF A REGION OF INTEREST WITHIN AN IMAGE

ABSTRACT OF THE DISCLOSURE

A system and method for automated image analysis selects a Region Of Interest (ROI) within a frame, suitable for subsequent Quantitative Intima Media Thickness (QIMT) analysis. Presently, a time consuming manual analysis by a highly trained technician is required to select the ROI within the frame for subsequent automated analysis. The automated image analysis provides an immediate and accurate identification of the ROI within the selected frame. In one embodiment, the automated image quality analysis may be directed to an ultrasound image of the carotid artery.